

Flowcoat ESD BVG

An antistatic epoxy floor coating that complies with a variety of ESD standards.

Uses

For use in light to medium duty traffic areas where ESD standards are required.

Environment & Health

Follow the appropriate Occupational Health and Safety guidelines applicable to the location where the application is undertaken. For more information, please refer to the safety datasheets for the individual components.



Antistatic:

Meets ANSI/ESD S2020, EN IEC 61340-5-1 and ASTM F150 Conductive requirements.



Low Odour:

Solvent free and low odour during and after application.



High Chemical Resistance:

Protects against a majority of acids used in manufacturing processes.



Hard-Wearing:

Hard-wearing & abrasion resistant suitable for light to medium traffic.

Packaging

The product is supplied in full units as A+B packs.

Base A	15.2 kg	
Hardener B	4.8 kg	
Kit Size	20 kg	15.3 Ltr

Standard Coverage Ratios

Flowcoat ESD BVG		
Smooth Finish	0.4kg/m ²	3.3m ² /Ltr

Curing Times (at 25 °C)

Min Overcoating	12 hours
Max Overcoating	24 hours

Additional Information

VOC Content	26 g/L Green Building Council of Australia Green Star Design & As Built V1.2-13.1.1B Green Star Interiors V1.2-12.1.1B
Density	Approx 1.3kg/l (combined)
Solids Content	Approx 100% (by weight)
Finish	Gloss
Colour	Refer to Technical Data Sheet

Substrate Requirements

Concrete or screed substrate should be a minimum of 25 N/mm², free from laitence, dust and other contamination.

Substrate should be dry to 75% RH as per ASTM F2170 (AS1884:2012).

Surface Preparation

Concrete should be finished by steel trowel. Surface preparation is to be completed by totally enclosed light shot blasting (please note this may leave track and blast lines which will not be covered) or diamond grinding to a minimum CSP2 prior to any coating application. For proper methods, refer to ICRI's Technical Guideline No.

03732. All cementitious laitance must be removed to expose a sound substrate and provide a dry, dust free, open textured surface. All hard to reach areas and areas around the perimeter must be prepared using hand held preparation equipment. Any damaged areas must be repaired with Flowtex F1 mortar. Consult Flowcrete prior to using an alternative repair mortar. Any rough or uneven areas must be made smooth with Flowcoat SC (Universal Resin Base A, Universal Hardener B, Sand/Flour).

Mixing

Please refer to appropriate Flowcoat ESD BVG Technical Data Sheet as per required specification.

Application Method

Refer to appropriate Flowcoat ESD BVG Technical Data Sheet.

Storage

Time	12 Months in Unopened Packs. If longer than 12 Months consult Flowcrete.
Temperature	Storage temperature between 5°C and 35°C.
Protection	Should be stored inside and protected from frost, weather, moisture, direct sunlight and contamination ingress.

Application Temperature

The recommended material and substrate temperature is 15 - 35°C, but no less than 10°C. The temperature of the substrate should exceed the "dew point" by 3°C during application and hardening.

Temperatures should not fall below 5°C in the 24hrs after application.

Application / Pot Life

Ready-mixed product should be used within 20 minutes at a temperature of 20°C. At higher temperatures (or if left in bucket) the application time is shorter.

Decant mixed product into smaller quantities if applying small/detailed areas.

Application Method

Refer to appropriate system Technical Data Sheet.

Cleaning

Tools and equipment can be cleaned with MEK/Acetone/Xylene. Please refer to SDS when using solvents.

Additional Notes

1. Please refer to the appropriate product Technical Data Sheet. The Product Data Sheet, Technical Data Sheet and Safety Data Sheet must be read in conjunction with one another.
2. Maximum overcoat time is 24 hours at 20°C.
3. The product has reached full chemical cure after 7days at 20°C.
4. The applied colours may differ from the examples shown.
5. Light and vibrant colours may require additional coats to achieve desired results.
6. Flowcrete assumes no responsibility for the application of incorrect colour.
7. It is the applicators responsibility to verify accuracy of colour prior to application. Flowcrete does not bear any responsibility or accept claims for incorrect colour after application of material.
8. It is recommended that top coat colours match base coat colours to achieve desired results.
9. This system is not UV stable and will discolour unless otherwise stated.
10. This system should have no contact with water for 5 days at 20°C or blooming may occur.
11. This system should be installed at 3°C above the dew point.
12. A low temperature/high humidity environment can cause blooming issues.
13. Please ensure application temperature and RH limits are followed.
14. Wind or strong airflow may cause quick curing and drying of the system.

15. Ensure wind or strong airflow is eliminated during application, however adequate safety ventilation should still be followed.
16. Direct heat during application of the system can cause flash curing and potential delamination.
17. Ensure you do not apply this system to substrates with temperatures exceeding 35°C.
18. The specific slip test rating (P0-P5 range) noted in this document is based on the system design, products listed, coverage rates and specific aggregate outlined in this document. This slip test rating can and will change if the standard specification details or installation methods are altered in any way. The specific slip rating (P0-P5 range) noted in this document is based on 96 Rubber slide testing on level non-inclined surfaces. Applicators should refer to methods outlined in AS4586-2013 and SA HB 198:2014.